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ENVIRONMENTAL ASSISTANCE



Permit to Operate an Air Contaminate Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: NOV 08 2007

Permit Number:
461453P

Date Expires: November 1, 2017

Issued To:
Tinsley Asphalt, LLC

Installation Address:
481 AEDC Road
Decherd

Installation Description:
Source 01 Asphalt Batch Plant
With Cyclone and Fabric Filter Control.

Emission Source Reference No.:
26-0107
NSPS
CONDITIONAL MAJOR SOURCE

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

GENERAL CONDITION:

1. The application that was utilized in the preparation of this permit is dated October 29, 2007, and signed by Eddie Tinsley, Jr., Chief Executive Officer for the permitted facility. If this person terminates his employment or is reassigned different duties such that he is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

(continued on the next page)

Gary R. Stephens

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON TRANSFERABLE

POST AT INSTALLATION ADDRESS

2. The Permittee would be considered a major source because their "potential to emit" value for sulfur dioxide, nitrogen oxides and carbon monoxide was greater than 100 tons per year at the time of application. The Permittee has agreed to be subject to limitations in order to be below the major source applicability threshold for sulfur dioxide, nitrogen oxides and carbon monoxide of 100 tons per year.
 3. Any non compliance with any condition(s) of this permit set to restrain the "potential to emit" below the applicability thresholds of 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations, shall be reported in writing to the Technical Secretary within three (3) working days of such discovery. This notification, at a minimum, shall include the identification of the source(s), identification of the permit condition(s) violated and details of the non-compliance.
 4. The Permittee is placed on notice that **Conditions 7, 8 and 9** of this operating permit contain limitations that allow the Permittee to opt out of the major source operating permit program requirements specified in Division Rule 1200-3-9-.02(11). Failure to abide by these limits will not only subject the Permittee to enforcement action by the State of Tennessee, but it may also result in the imposition of Federal enforcement action by the United States Environmental Protection Agency and the loss of being Federally recognized as a conditional major source.
- Compliance with **Conditions 7, 8 and 9** assures that the source will be below the major source applicability thresholds for sulfur dioxide, nitrogen oxides and carbon monoxide of 100 tons per year.

This assurance is based on AP-42 Chapter 1, Section 3 (Fuel Oil Combustion, dated September, 1998), from which the emission factors were used to calculate emissions as shown below:

Based on AP-42 Chapter 1, Section 3:

Parameter	Based on use of No. 2 oil as fuel			Remarks
	Emission Factor, as shown below	Emissions without limiting conditions, ton/yr	Emissions with limiting conditions, ton/yr	
SO ₂	142 (S) lbs / 1000 Gal	174.8	19.8	S = fuel oil sulfur content
NO _x	0.12 lbs per ton	118.3	27.1	
CO	0.4 lbs per ton	394.2	90.0	

5. A written report stating the compliance status of this source or facility with **Conditions 7, 8 and 9** of this permit shall be submitted by March 31 of every year. The first year shall cover the calendar year of 2007. This report shall cover the preceding calendar year and shall include the records required by **Condition 15**. This report shall be mailed to the following address:

Tennessee Division of Air Pollution Control
Columbia Environmental Field Office
2484 Plus Park Dr.
Columbia, TN 38401

6. Should proof of compliance for the pollutant with emission limitations placed on this permit be required, the emissions measuring test method(s) and procedures are the following:

Pollutant or Parameter	Testing Methodology
Sulfur dioxide	EPA Method 6 as published in the current 40 CFR 60, Appendix A

7. Production rate for this source shall not exceed 225 tons per hour on a daily average basis and 450,000 tons of asphalt per any consecutive 12-month period. Compliance with this requirement may be indicated by the records required by **Condition 15**.

This condition is established pursuant to Rule 1200-3-9-.02(11)(a) of the Tennessee Air Pollution Control Regulations and the agreement letter from the permittee, dated May 11, 2007.

8. Only No. 2 fuel oil shall be used as fuel for this source. The maximum No. 2 fuel oil input rate for this source shall not exceed 2.5 gallons of oil per ton of asphalt produced, on a monthly average basis. Compliance with this requirement may be indicated by the records required by **Condition 15**.
9. The sulfur content of the fuel oil shall not exceed 0.5 percent by weight. Compliance with this limit may be assured by providing an analysis of the sulfur content by weight of each fuel oil shipment, or, by providing a statement from the vendor that all fuel oil sold to the company will contain no more than 0.5% sulfur by weight. These records must be kept available for inspection by the Technical Secretary or his representative. These records must be retained for a period of not less than five (5) years.

This condition is established pursuant to Rule 1200-3-14-.03(5) of the Tennessee Air Pollution Control Regulations.

10. Particulate matter (TSP) emitted from this source shall not exceed 0.04 grains per dry standard cubic foot of stack gases (8.9 pounds per hour).

This condition is established pursuant to Rule 1200-3-16-.08(3)(a) of the Tennessee Air Pollution Control Regulations.

11. Sulfur dioxide (SO₂) emitted from this source shall not exceed 39.9 pounds per hour on a monthly average basis and 5.99 tons per any consecutive 12-month period. Compliance with these limits may be assured by compliance with **Conditions 7, 8 and 9** based on the AP-42 emission factors listed in **Condition 4**.

This condition is established pursuant to Rule 1200-3-14-.03(5) of the Tennessee Air Pollution Control Regulations.

12. Emissions from roads and parking areas shall not exhibit greater than 10 percent opacity utilizing Tennessee Visible Emissions Evaluation (TVEE) Method 1, as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982 and as amended on August 24, 1984.

This condition is established pursuant to Rule 1200-3-8-.01(1) of the Tennessee Air Pollution Control Regulations.

13. Fugitive emissions from this source shall be controlled as specified in Rule 1200-3-8-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4, as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.

This condition is established pursuant to Rule 1200-3-8-.01(2) of the Tennessee Air Pollution Control Regulations.

14. Emissions from this source not covered by **Conditions 12 and 13** shall not exhibit greater than 20 percent opacity as determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A. (6 minute average)

This condition is established pursuant to Rule 1200-3-16-.08(3)(b) of the Tennessee Air Pollution Control Regulations.

15. A record of the No.2 fuel oil usage and asphalt production at this facility, in a form that readily provides the information required in the following tables, shall be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This record shall be retained for a period of not less than five (5) years.

Monthly Log for 28-0085

For Month:			For Year:		
Date	No. 2 fuel oil usage (gal)	Asphalt production (tons)	Date	No. 2 fuel oil usage (gal)	Asphalt production (tons)
1			16		
2			17		
3			18		
4			19		
5			20		
6			21		
7			22		
8			23		
9			24		
10			25		
11			26		
12			27		
13			28		
14			29		
15			30		
			31		
Total Fuel Oil Usage:					
Total Tons Asphalt produced:					

Yearly Log for 28-0085

[illegible]

(*) The tons per 12 Month value is the sum of the asphalt production in the 11 months preceding the month just completed + the asphalt production in the month just completed. If data is not available for the 11 months preceding the initial use of this Table, this value will be equal to the value for tons (or hours) per month. For the second month, it will be the sum of the first month and the second month. Indicate in parentheses the number of months summed [i.e., 6 (2) represents 6 tons emitted in 2 months]. This log is the total amount of asphalt production and operating hours on a 12-month consecutive basis.

16. Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices. Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five (5) years.
17. Upon the malfunction/failure of any emission control device(s) serving this source, the operation of the process(es) served by the device(s) shall be regulated by Chapter 1200-3-20 of the Tennessee Air Pollution Control Regulations.
18. This permit is valid only at this location.
19. This permit supersedes any previous permits for this facility.
20. Recordkeeping: Data Entry Requirements
 - a) For monthly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than 30 days from the end of the month for which the data is required.
 - b) For weekly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than 7 days from the end of the week for which the data is required.
 - c) For daily recordkeeping, all data, including the results of all calculations, must be entered into the log no later than 7 days from the end of the day for which the data is required.
21. The permittee shall apply for renewal of this permit not less than sixty (60) days prior to the permit expiration date, pursuant to Division Rule 1200-3-9-.02(3).

(End of conditions)

Conditional Major Permit Number 461453P

CURRENT EMISSIONS REQUIREMENTS AND EMISSION SUMMARY

COMPANY NAME: Tinsley Asphalt
 1. EMISSION SOURCE REFERENCE NUMBER: 26-0107 NONATTAINMENT: Y 2. LOG NUMBER: 461453P
 3A. PERMIT STATUS: NEW RENEWAL Y RELOCATION Y 3B. PREVIOUS PERMIT NUMBER: 960692PA OPERATING: OPERATING

4. IDENTIFY IF ONLY A PART OF THE SOURCE IS SUBJECT TO THIS REQUIREMENT	5. POLLUTANT	6. APPLICABLE REQUIREMENT(S): TN AIR POLLUTION CONTROL REGULATIONS, 40 CFR, PERMIT RESTRICTIONS, AIR QUALITY BASED STANDARDS	7. LIMITATION	8. MAXIMUM ACTUAL EMISSIONS			9. MAXIMUM ALLOWABLE EMISSIONS	
				IN UNITS OF ITEM 7	POUNDS / HOUR	TONS / YEAR	POUNDS / HOUR	TONS / YEAR
	TSP	1200-3-16-08(3)(a)	0.04 gr/dscf		9.5	9.5	9.5	9.5
	SO2	1200-3-14-03(5)	43.0		19.8	19.8	19.8	19.8
	CO	1200-3-7-07(2)			90.0	90.0	90.0	90.0
	NOx	1200-3-7-07(2)			1.85	1.85	1.85	1.85
	VOC	1200-3-7-07(2)			27	27	27	27
	Yearly Production	1200-3-26-02(6)(b) Permit Cond 7 agreement letter 5/11/07	450,000 tns/yr annual production					
	Production Rate	1200-3-26-02(6)(b) Permit Cond 7 agreement letter 5/11/07	225 tons asphalt / hour					
	OPACITY	1200-3-5-01(1)	20%, Method 9					
IF THIS IS NOT A TITLE V SOURCE, IS THIS A DEFERRED SOURCE (SUBJECT TO NSPS OR NESHAPS) OR A SYNTHETIC MINOR SOURCE?				SOURCE OF DATA FOR EMISSIONS IN ITEM 8: Data taken from application 2/12/07 and calculations 5/14/07				

IF THE ANSWER IS YES, EXPLAIN:

ENGINEERING SPECIALIST: Dave Gosslee DATE: Nov 7, 2007 SUPERVISOR: _____ DATE: _____